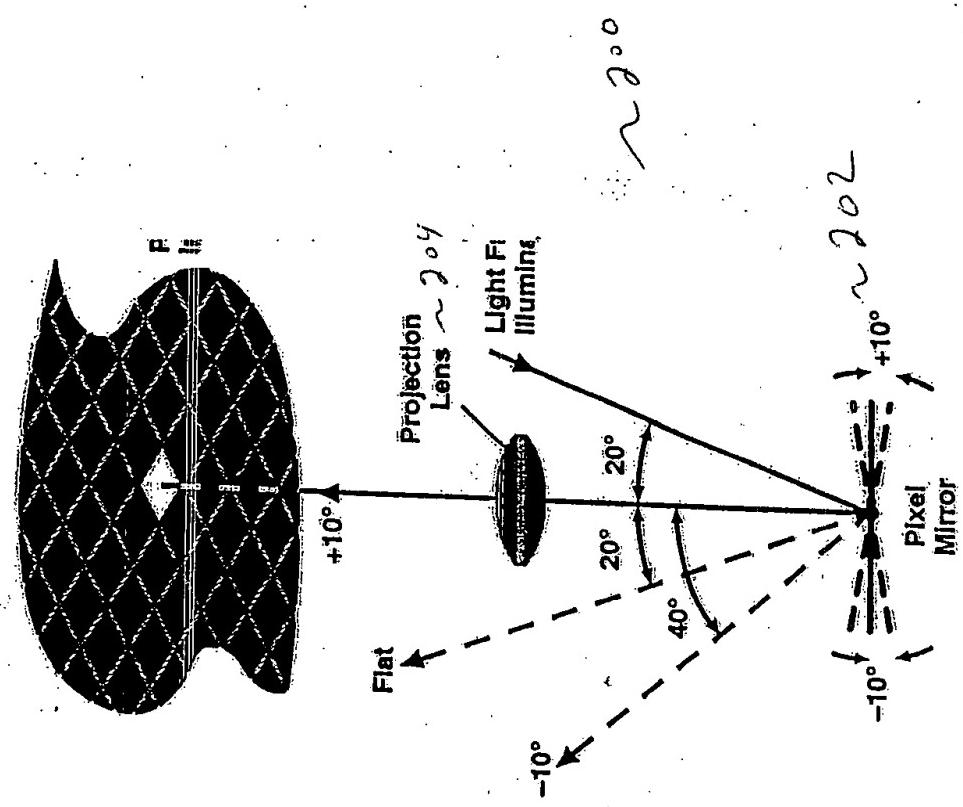
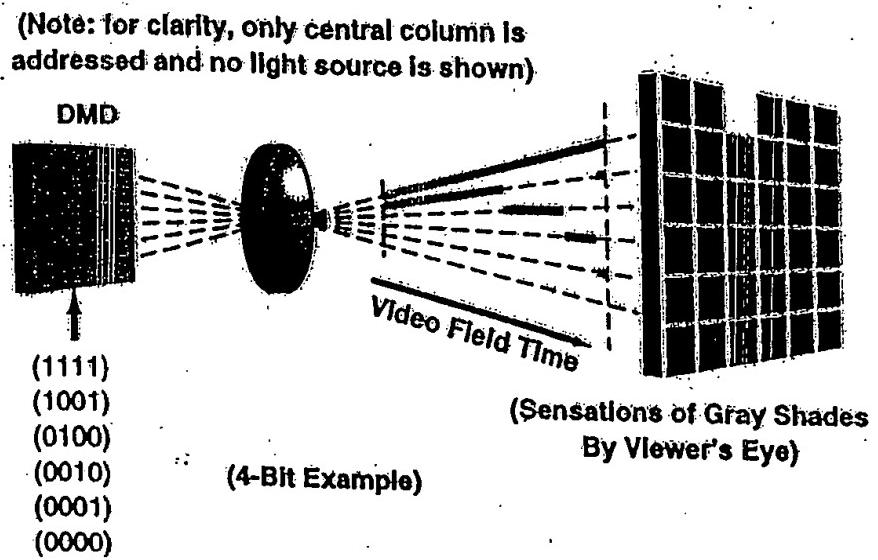


FIGURE

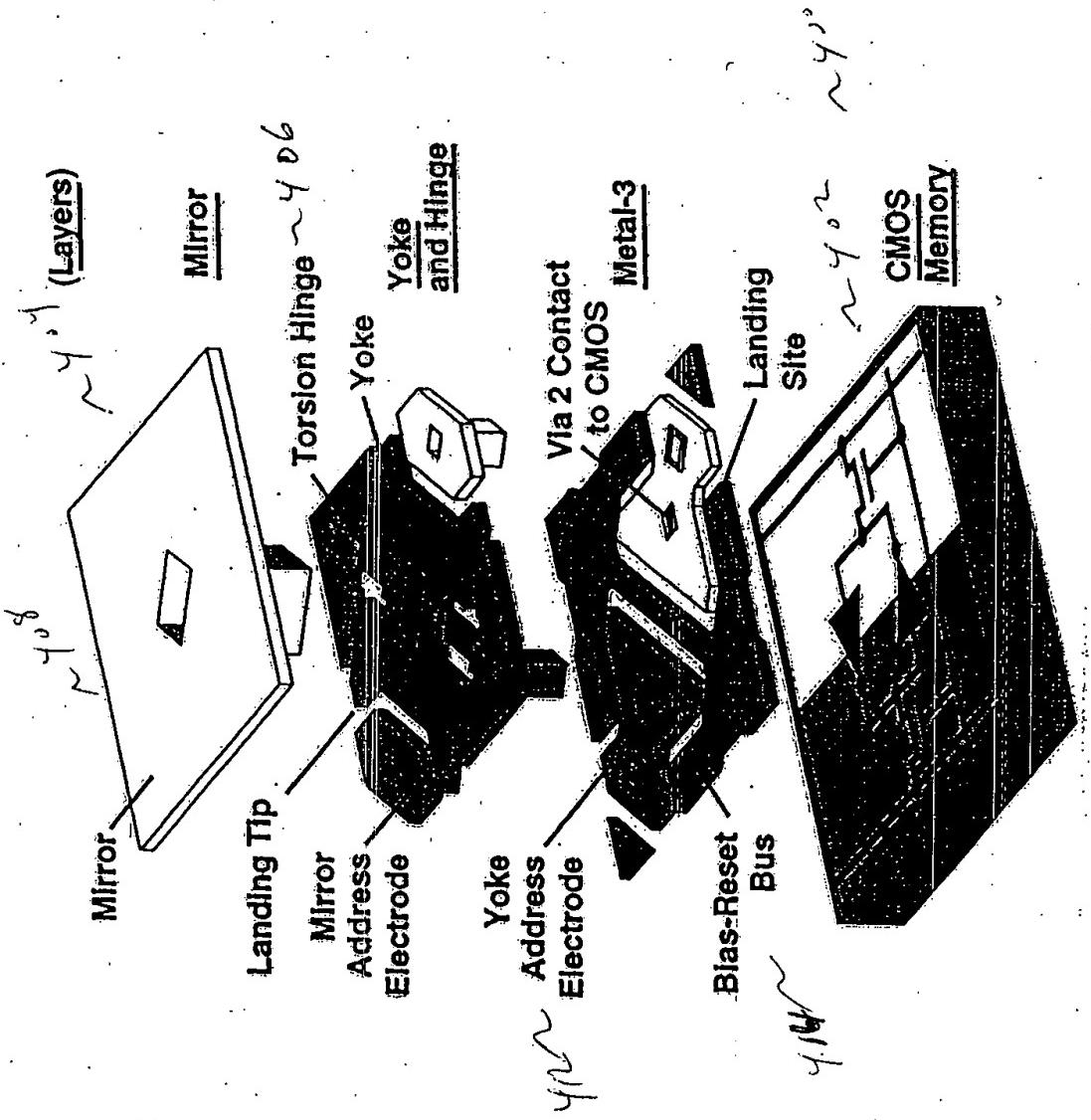
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N Address Inputs for Every 2^N Rows

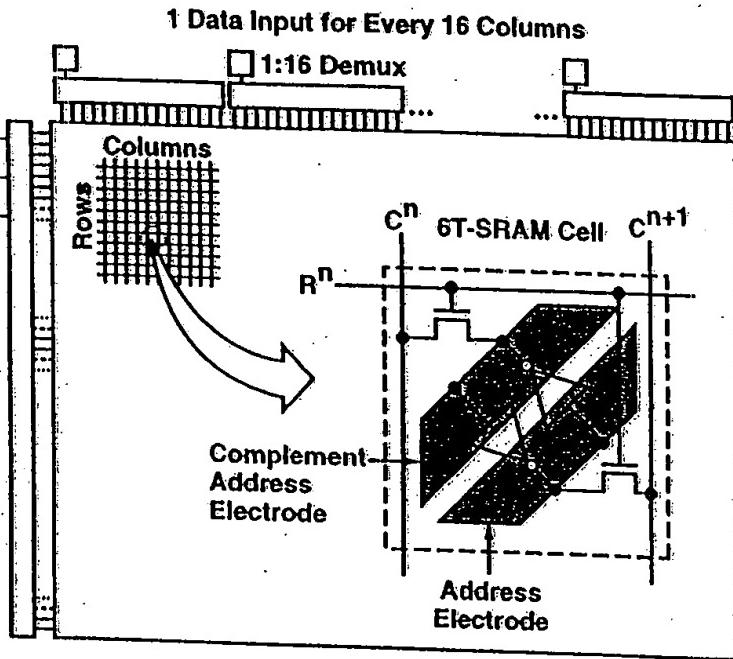


Figure 5

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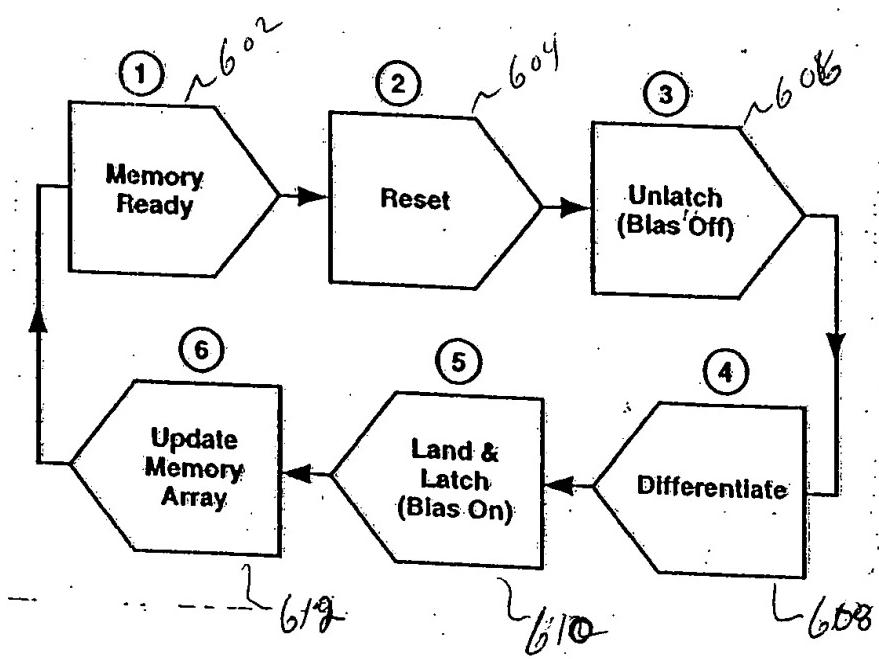


FIGURE 6

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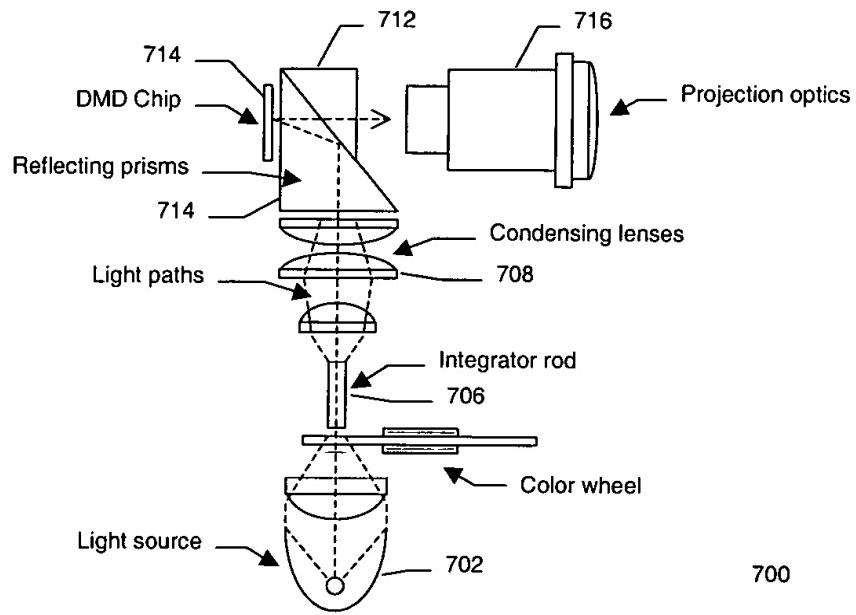


Figure 7 - Single-Chip DMD Projection System – Example 1

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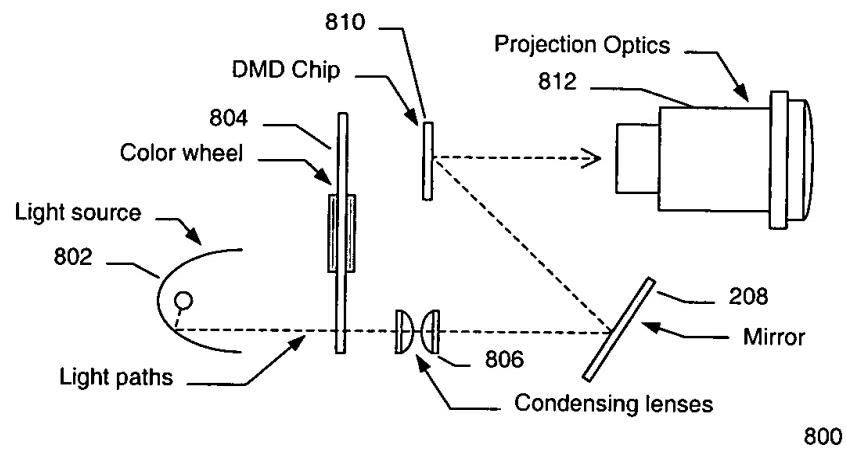


Figure 8 - Single-Chip DMD Projection System – Example 2

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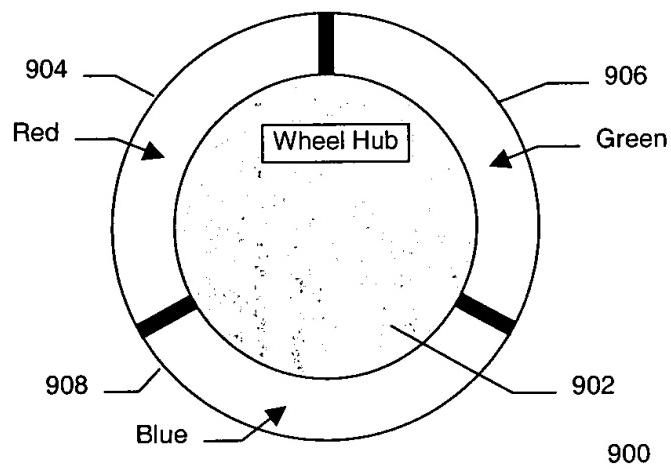


Figure 9 - Three-Segment Color Wheel for Single Chip DMD Projection Systems

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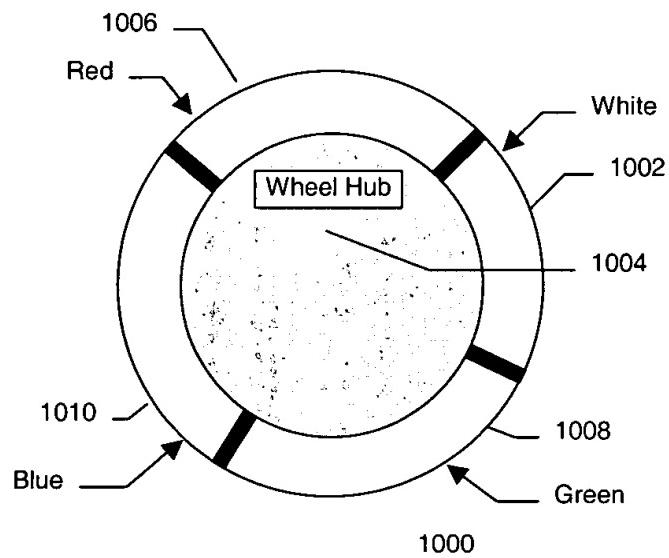


Figure 10 - Four-Segment Color Wheel for Single Chip DMD Projection Systems

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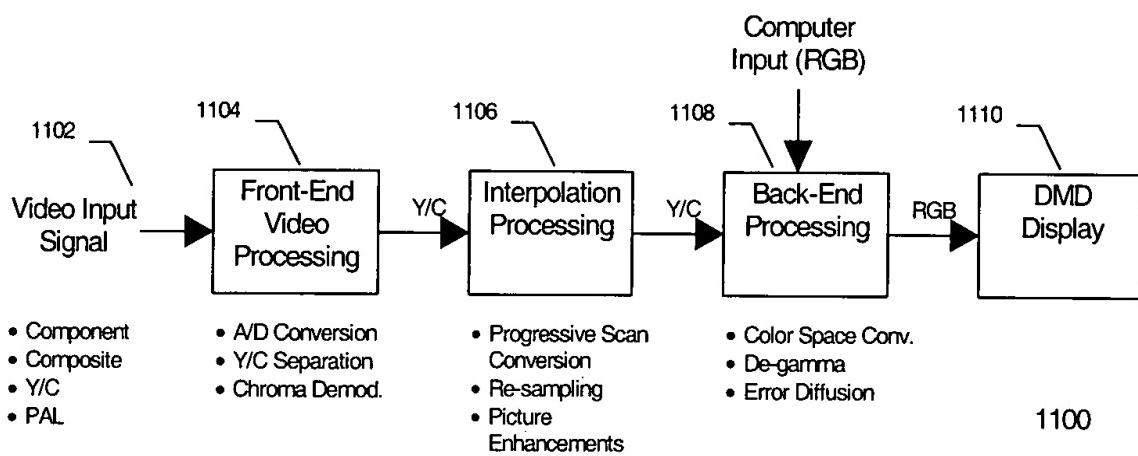


Figure 11 – 2D DMD Projector Video Processing Block Diagram for Single-Chip DLP Projector

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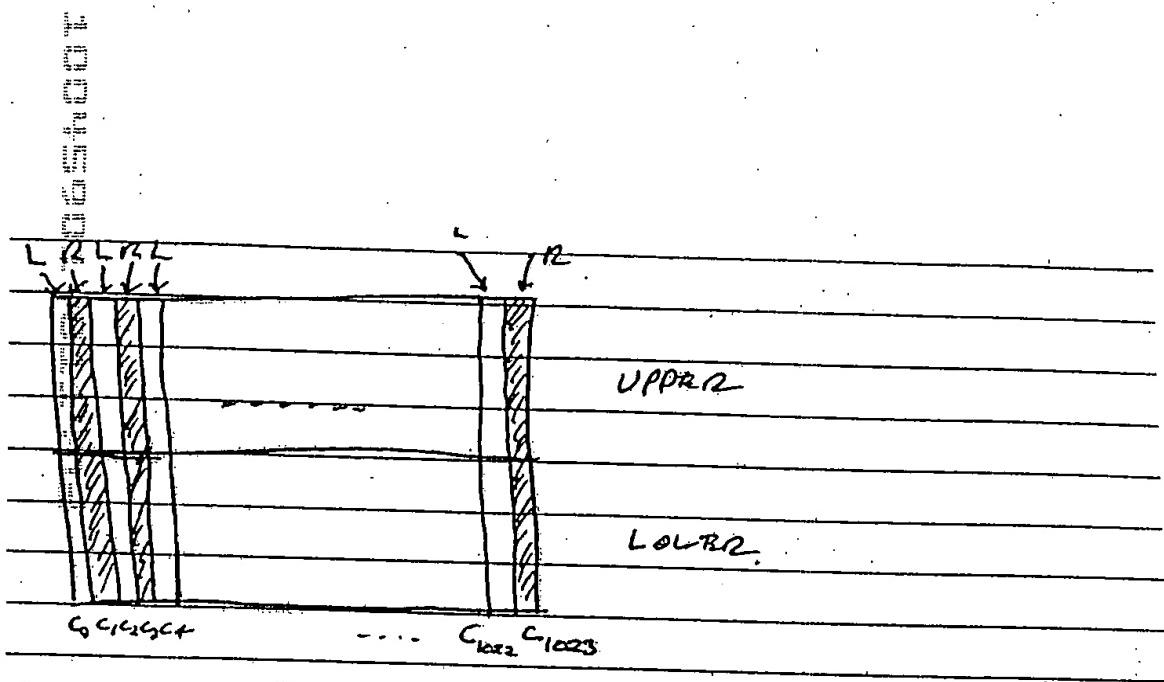


FIGURE-10

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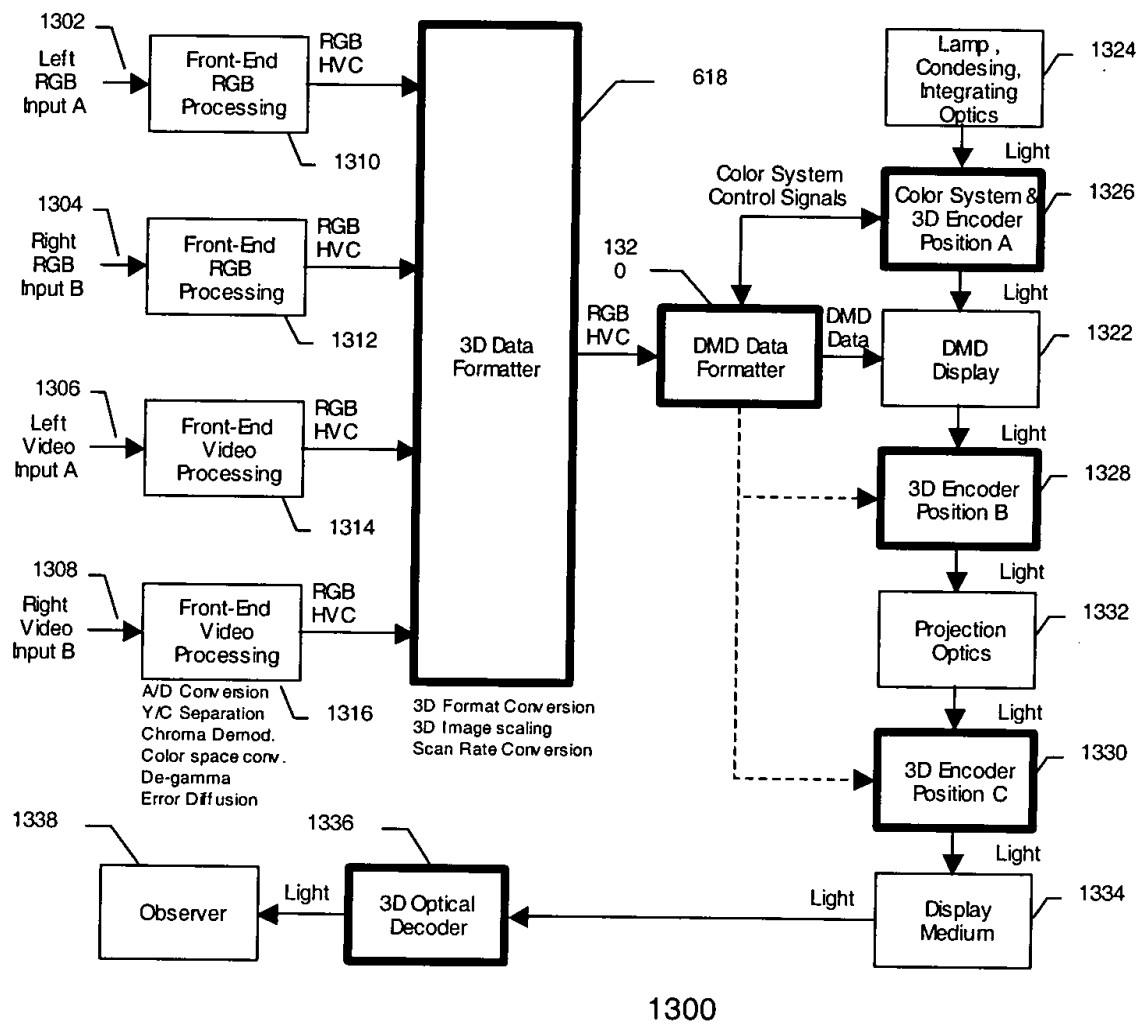


Figure 1 - Signal Flow and Optics Block Diagram for DMD Based 3D Projection System

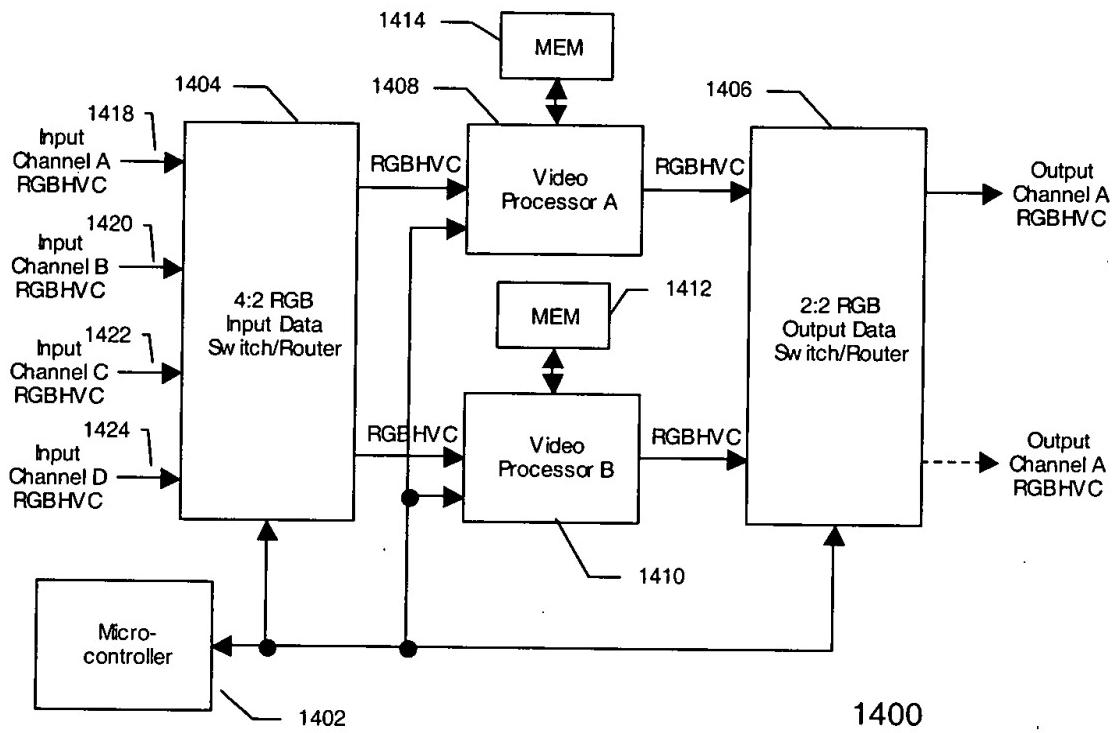


Figure 14 - 3D Data Formatter Block Diagram

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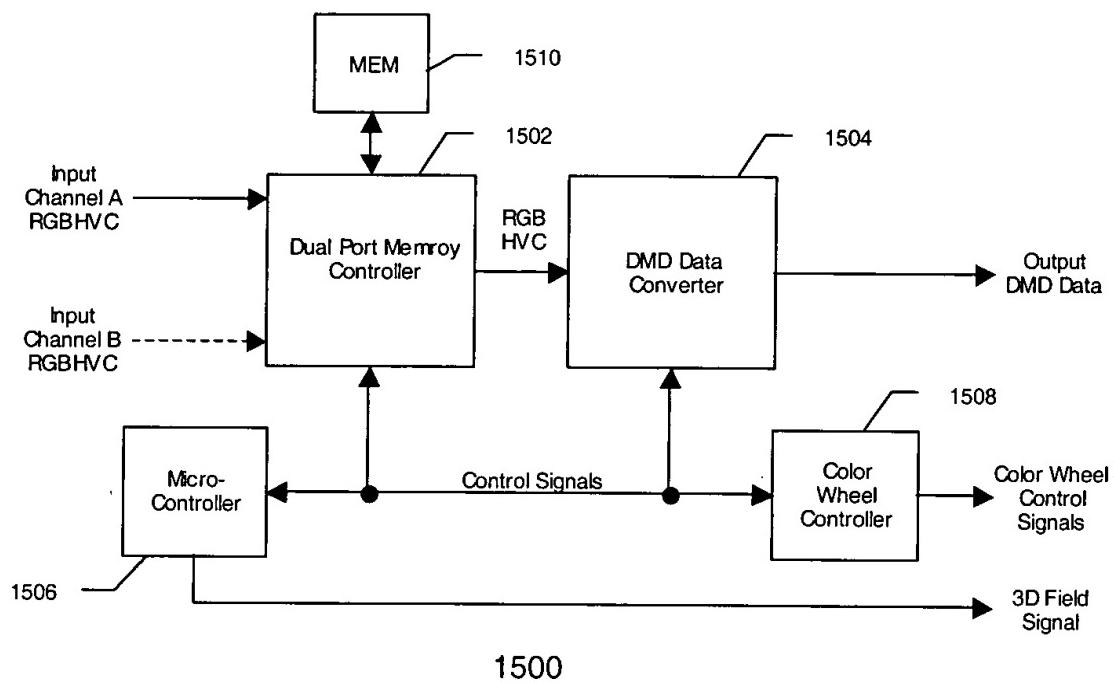


Figure 15 - DMD Data Formatter Block Diagram

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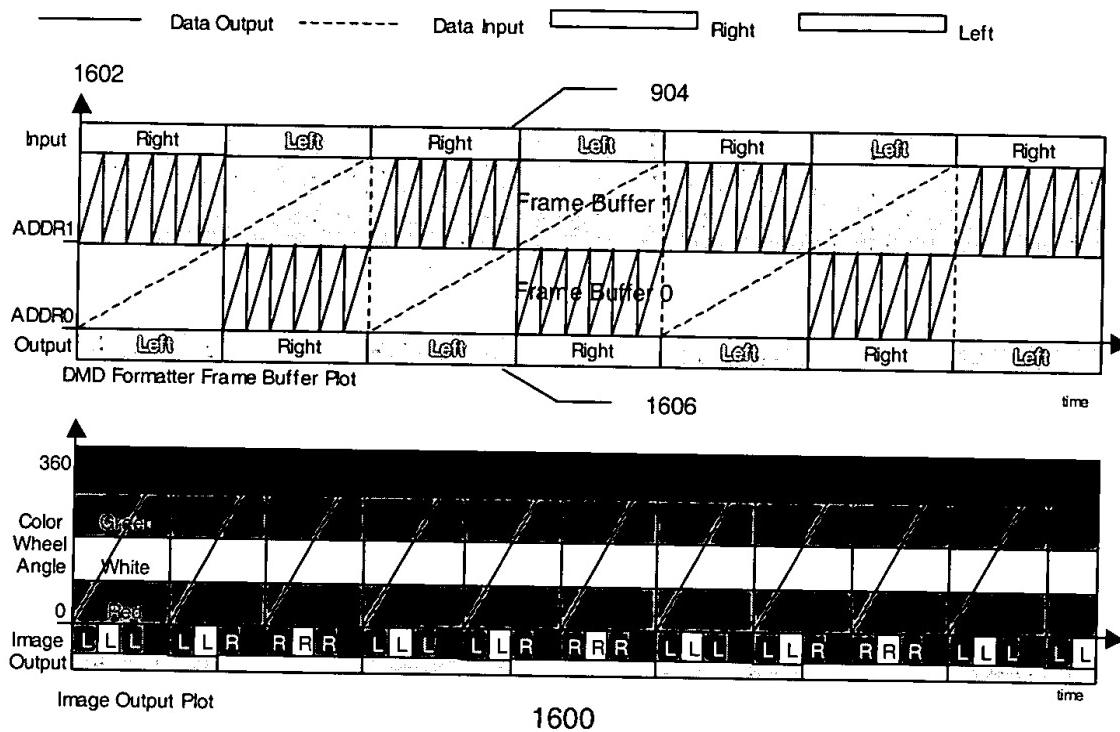


Figure 16 - DMD Data Formatter Chart for Input Synchronized Frame Sequential 3D Input Using Four-Segment Color Wheel (Chart applies to 75Hz, 80Hz, and 85Hz input signals)

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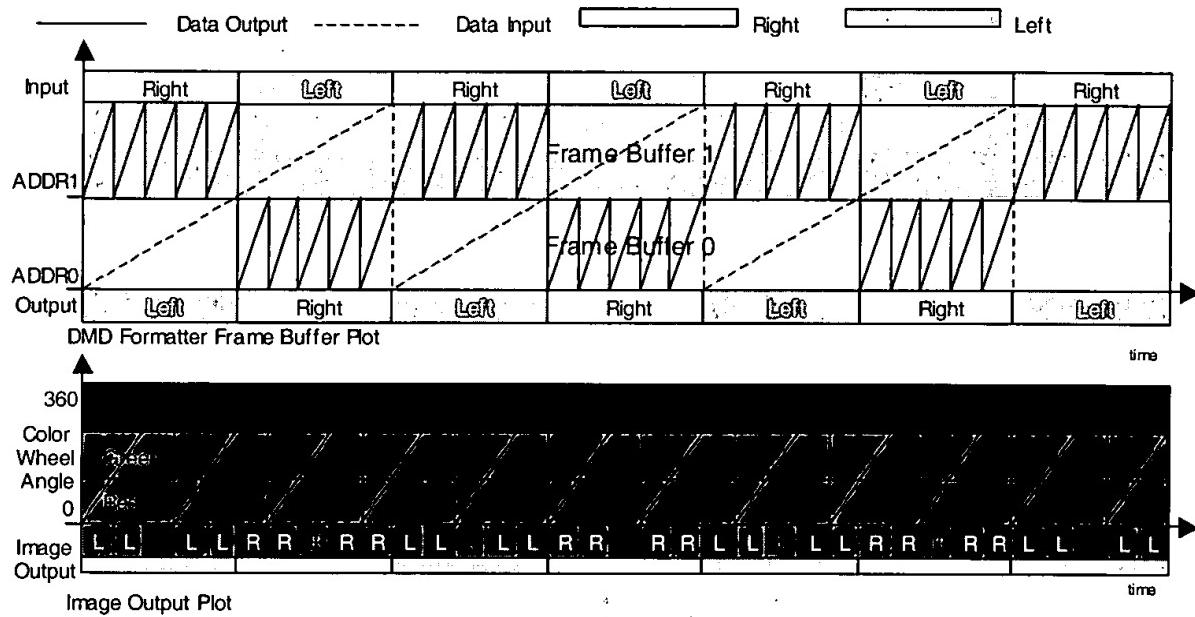


Figure 17 - DMD Data Formatter Chart for Input Synchronized Frame Sequential 3D Input Using Three-Segment Color Wheel (Chart applies to 72Hz, 75Hz, and 80Hz input signals)

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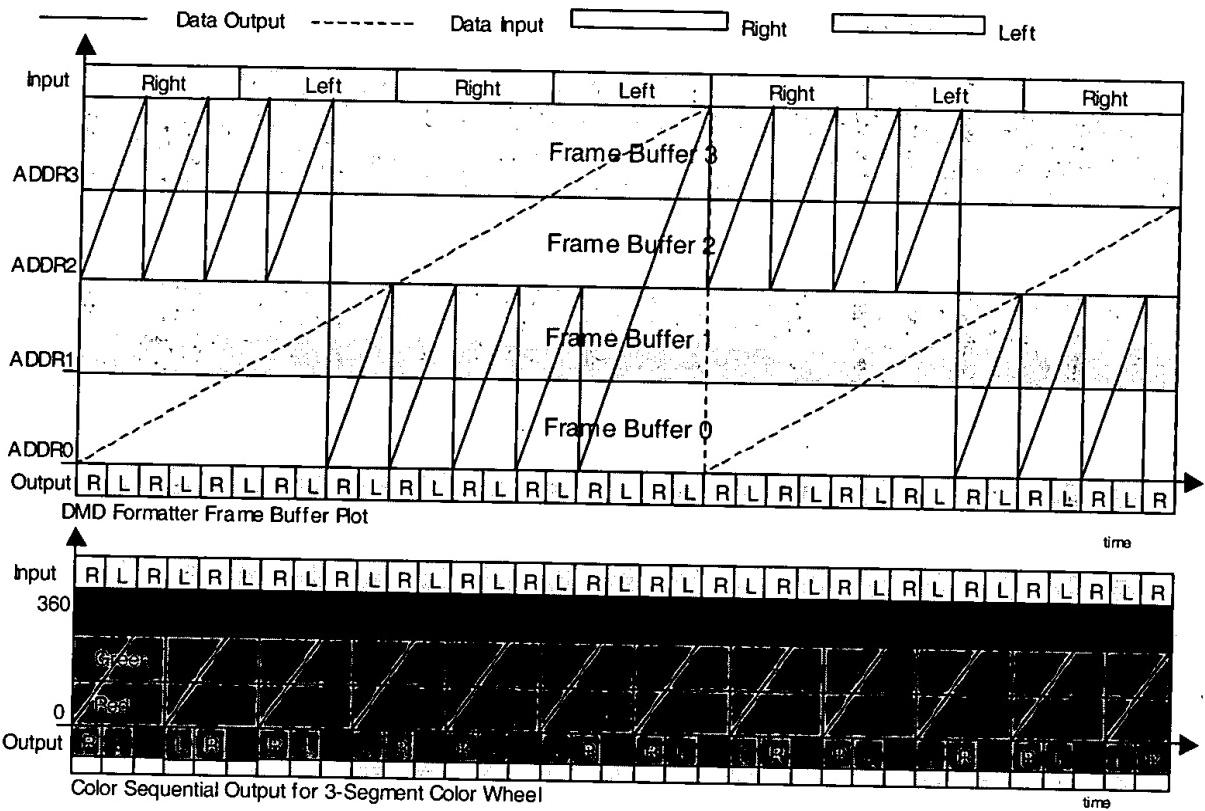


Figure 18 - Input Synchronized Color Sequential 3D Using a Three Segment Color Wheel and Quad Frame Buffer (Chart applies to 72Hz, 75Hz, and 80Hz input signals)

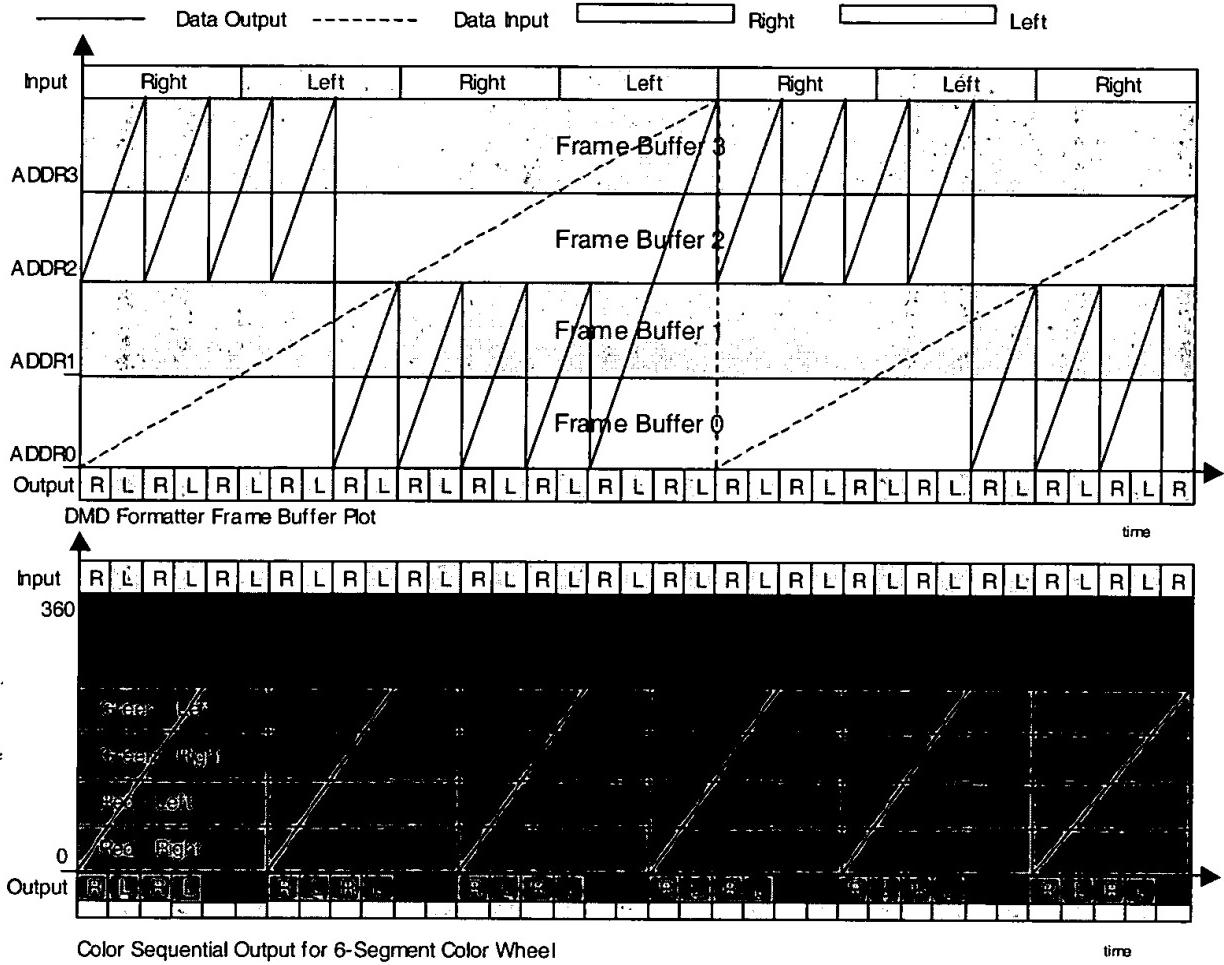


Figure 19 - Input Synchronized Color Sequential 3D Using a Six-Segment Color Wheel and Quad Frame Buffer (Chart applies to 72Hz, 75Hz, and 80Hz input signals)

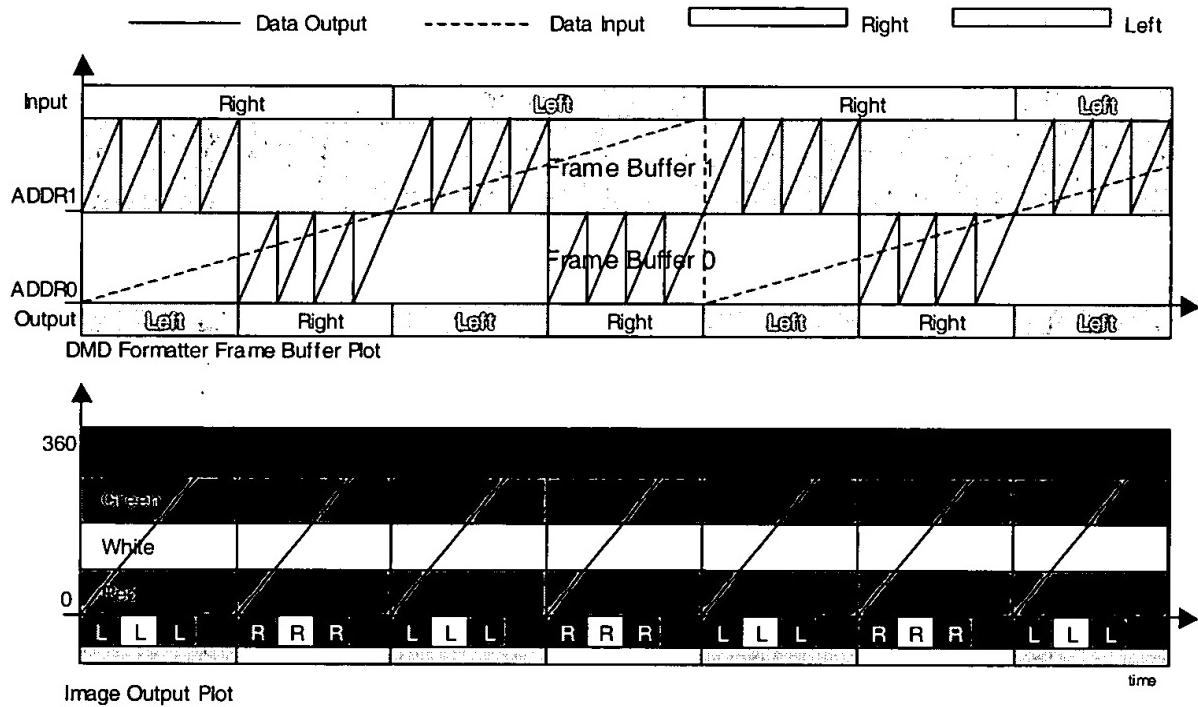


Figure 20 - DMD Formatter Chart for Output Synchronized Frame Sequential 3D Format for 60Hz Input Using a Four-Segment Color Wheel

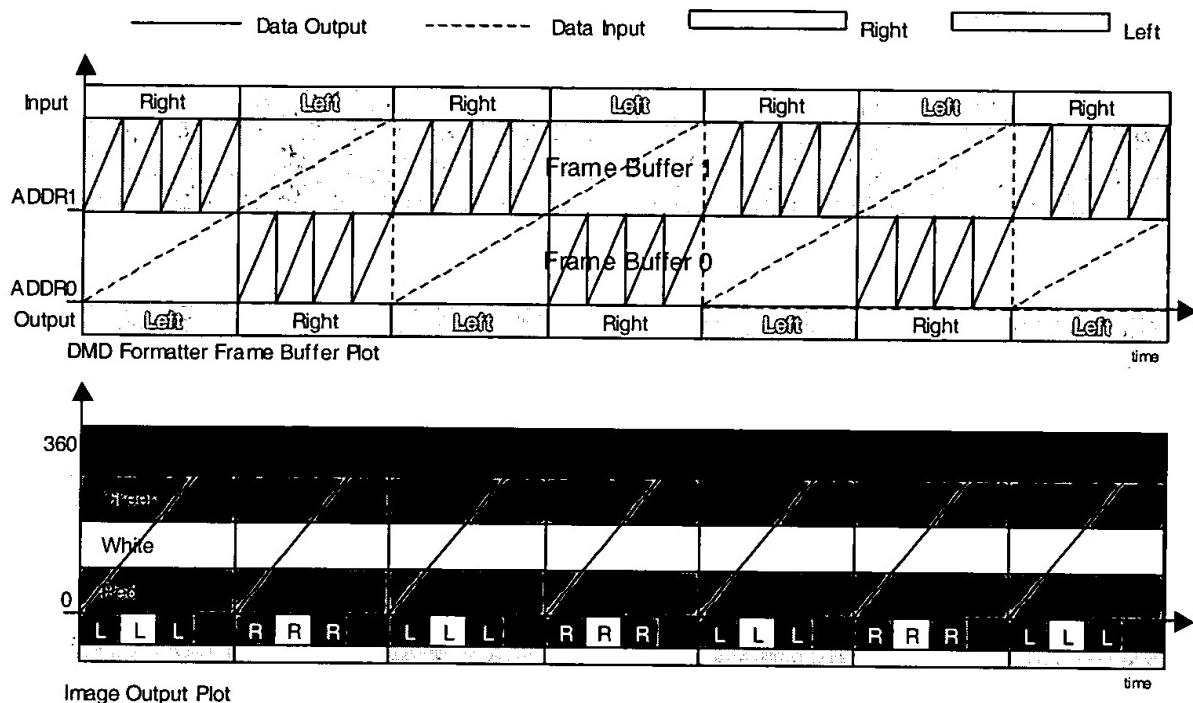


Figure 21 - DMD Formatter Chart for Output Synchronized Frame Sequential 3D Format for 120Hz Input Using a Four-Segment Color Wheel

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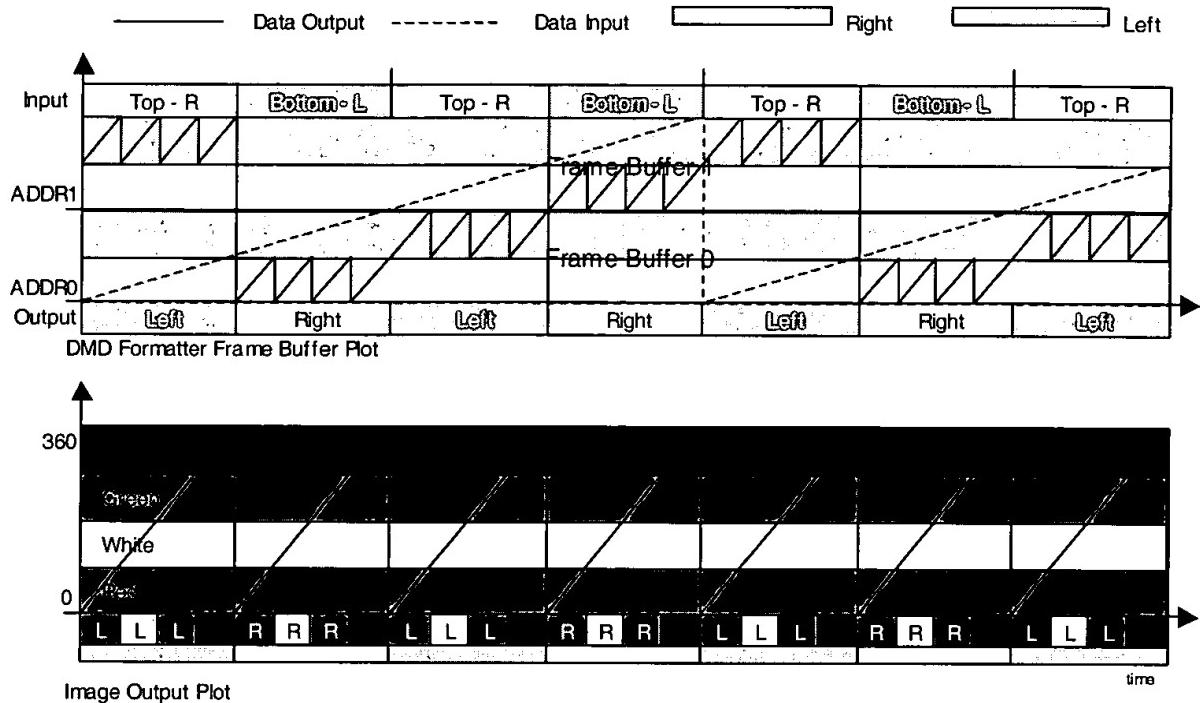


Figure 22 - DMD Formatter Chart for Output Synchronized Frame-Sequential 3D Format for 60Hz Over-Under 3D Input using a Four-Segment Color Wheel

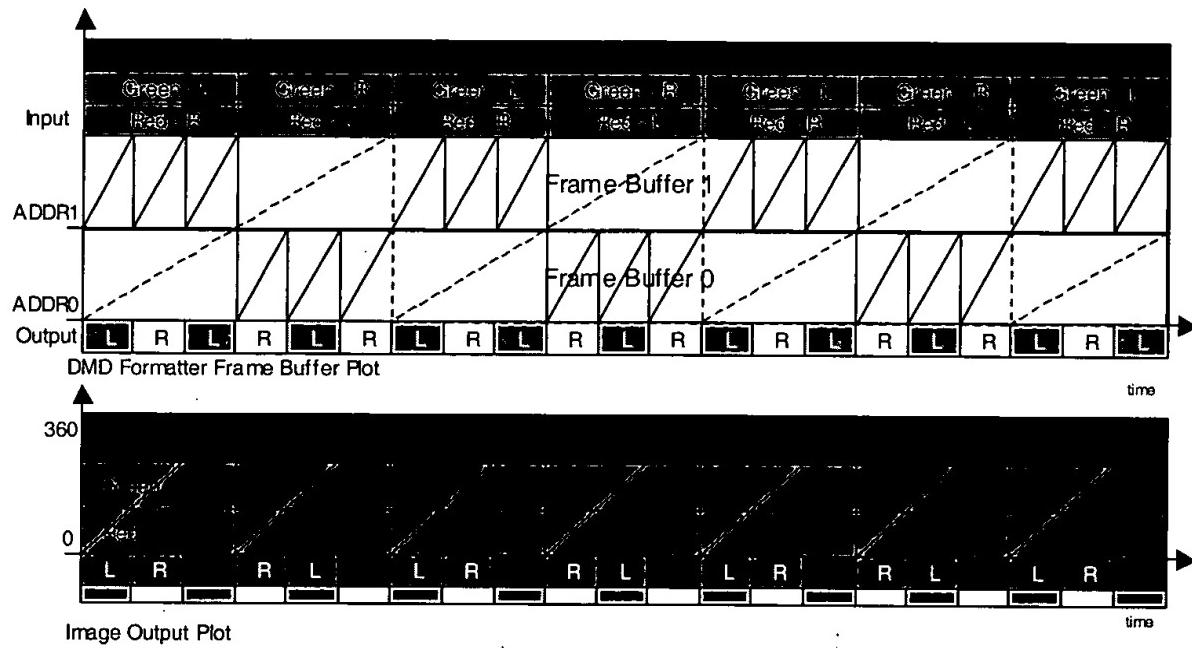
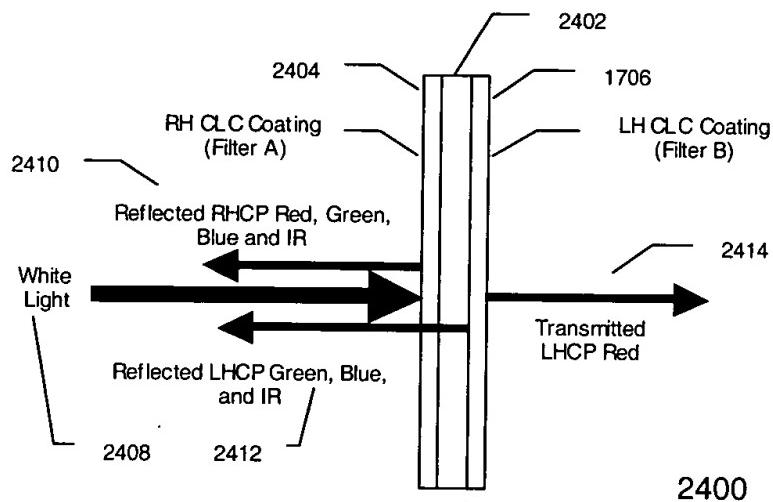


Figure 23- DMD Formatter Chart for Output Synchronized Color Sequential 3D Format for 120Hz Color-Sequential 3D Input, Using a Three-Segment Color Wheel



**Figure 24 - Cholesteric Liquid Crystal Reflective Circular Polarizing Red Filter
(Similar for White, Green, or Blue)**

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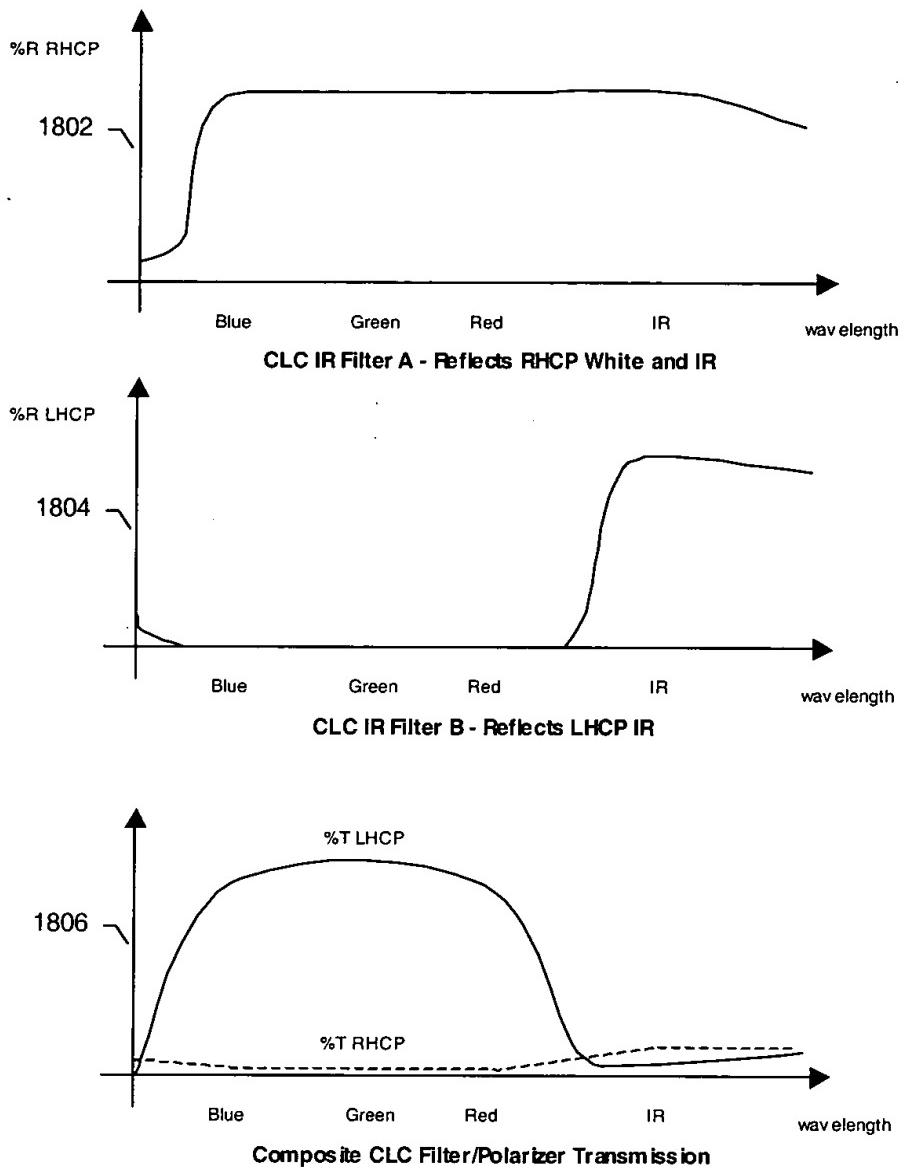


Figure 25 - Spectral Response for CLC IR Filter/Circular Polarizer

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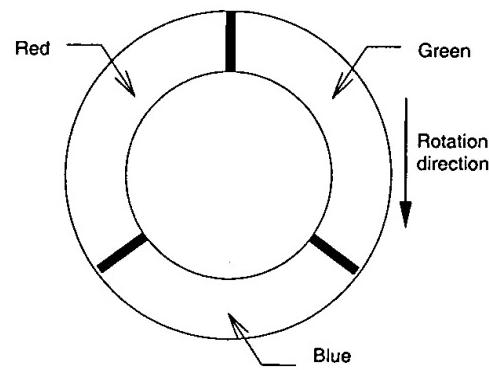


Figure 26 - Three-Segment Color Wheel Type CW-A

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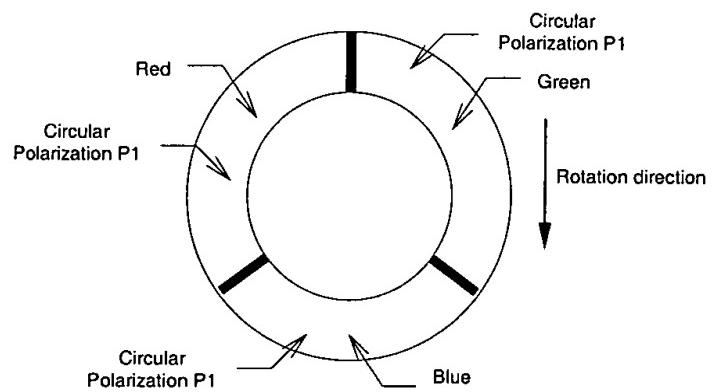


Figure 27 - Three-Segment Color Wheel Type CW-B

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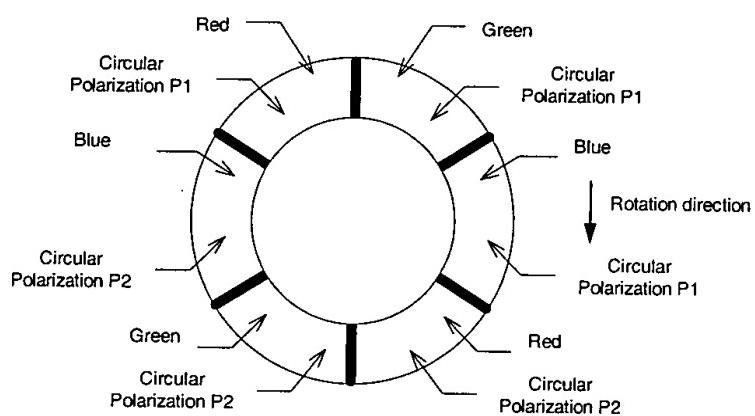


Figure 28- Six-Segment Color Wheel Type CW-C

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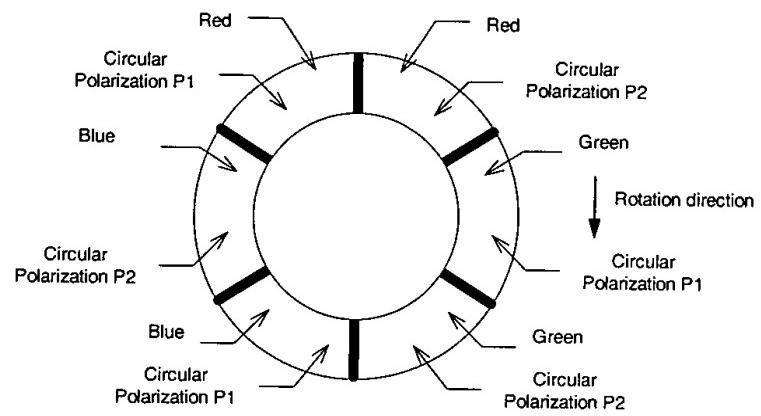


Figure 29 - Six-Segment Color Wheel Type CW-D

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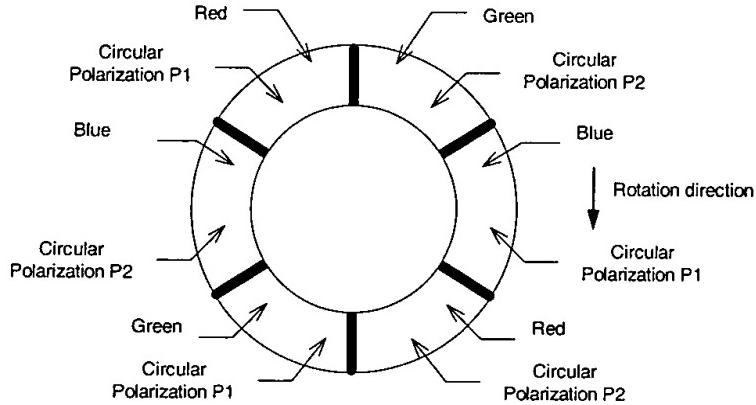


Figure 30- Six-Segment Color Wheel Type CW-E

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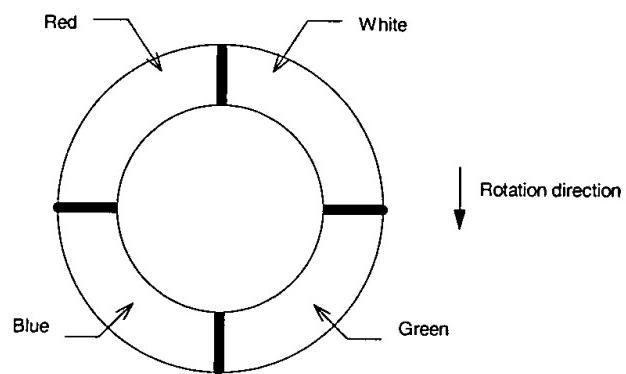


Figure 31 - Four-Segment Color Wheel Type CW-F

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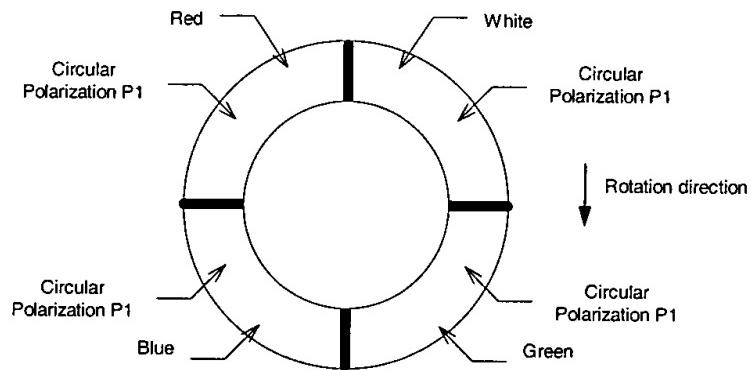


Figure 32 - Four-Segment Color Wheel Type CW-G

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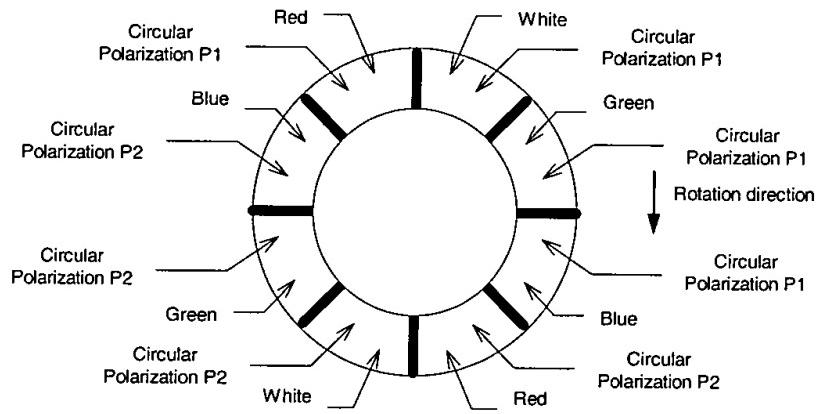


Figure 33 - Eight-Segment Color Wheel Type CW-H

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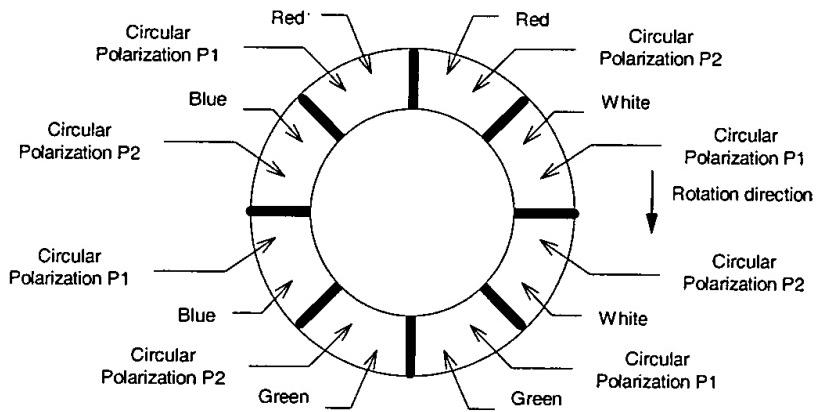


Figure 34 - Eight-Segment Color Wheel Type CW-I

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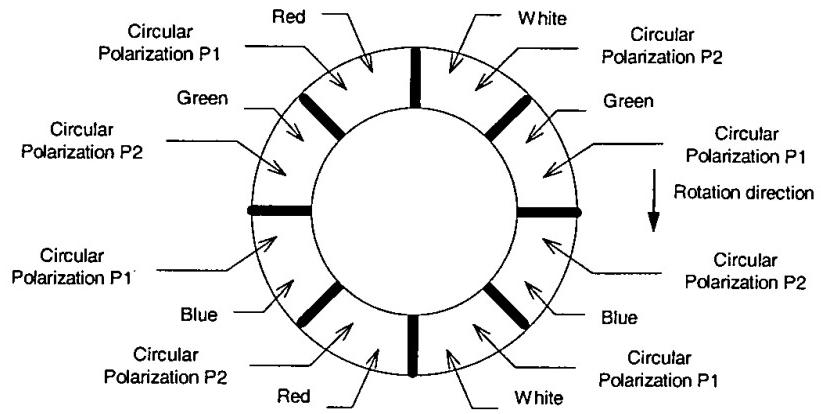


Figure 35 - Eight-Segment Color Wheel Type CW-J

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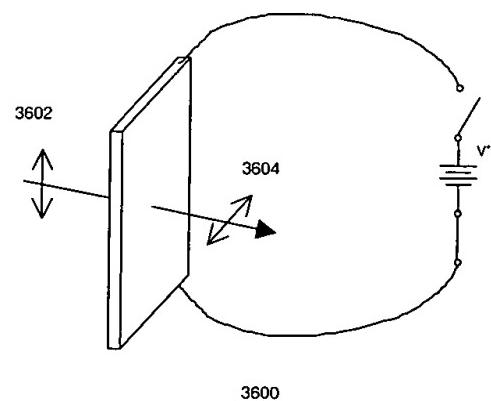


Figure 36 - Liquid Crystal Rotator with no Applied Terminal Voltage

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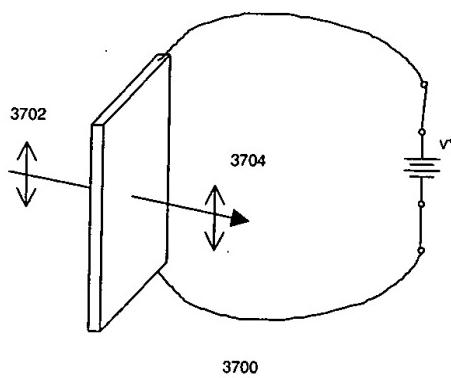


Figure 37 - Liquid Crystal Rotator with Applied Terminal Voltage

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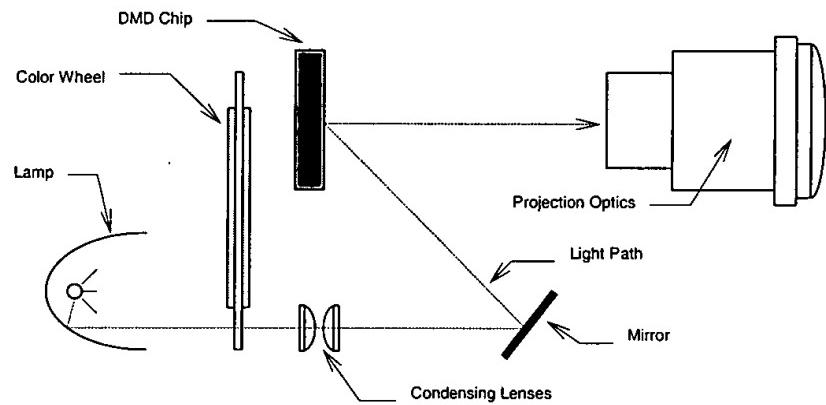


Figure 38 - DMD Based Stereo 3D Projector, 3D Optical Configurations: A, B, H, I, K, M, N, S, U, W

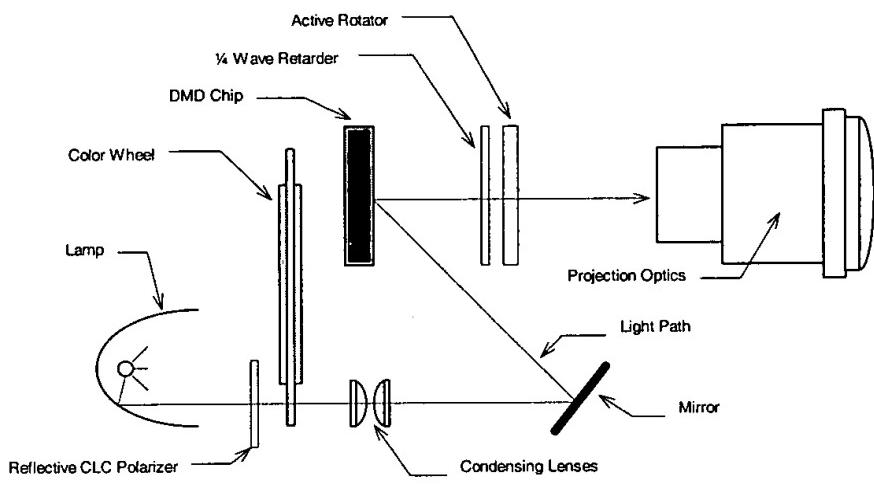


Figure 39. DMD Based Stereo 3D Projector, 3D Optical Configurations: C and O

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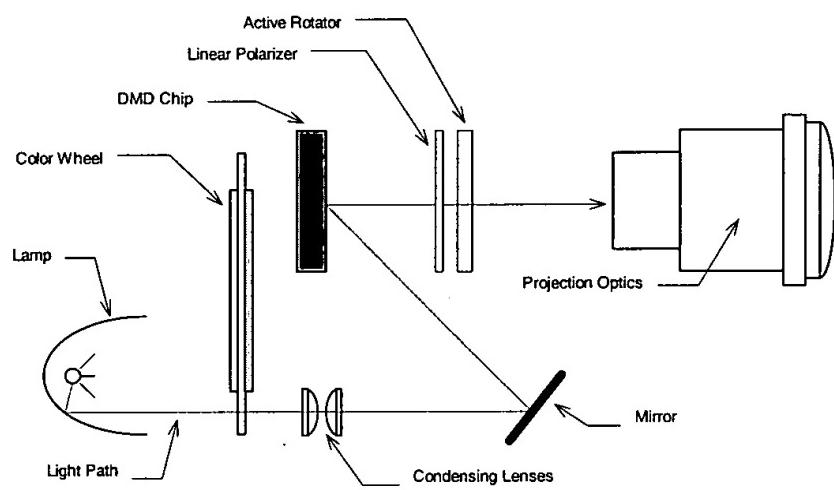


Figure 40. DMD Based Stereo 3D Projector, 3D Optical Configurations: D and P

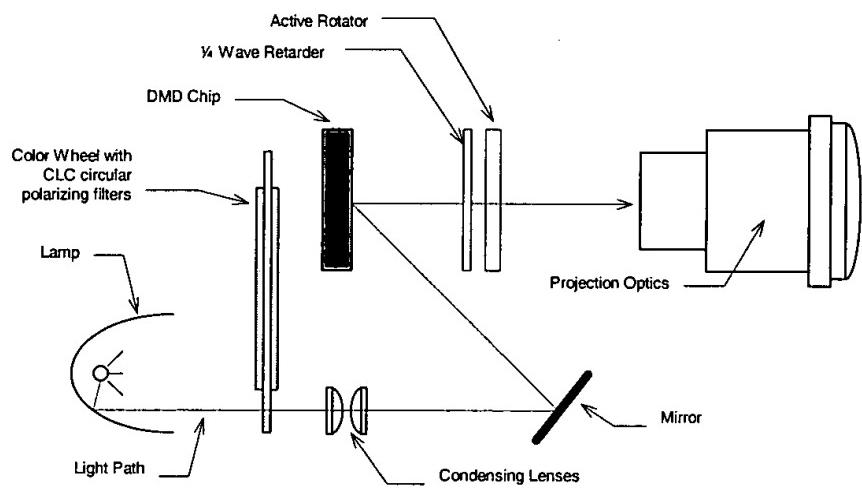


Figure 41- DMD Based Stereo 3D Projector, 3D Optical Configurations: E and Q

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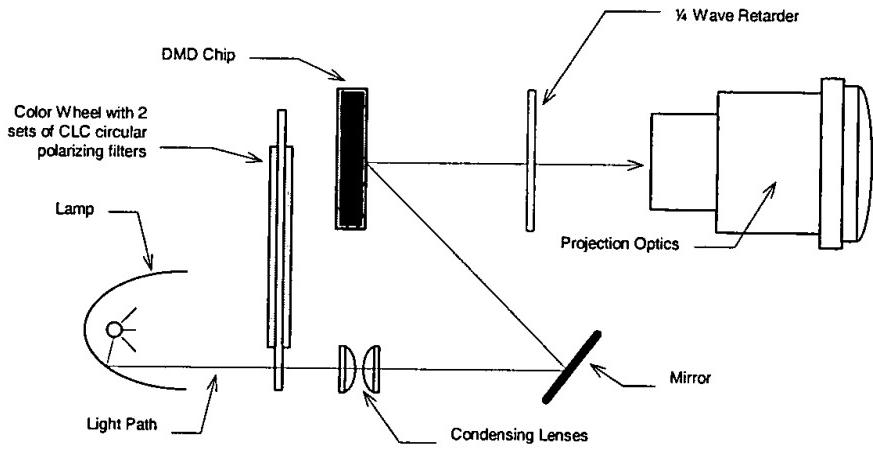


Figure 42 - DMD Based Stereo 3D Projector, 3D Optical Configurations: F, G, J, L, R, T, and V

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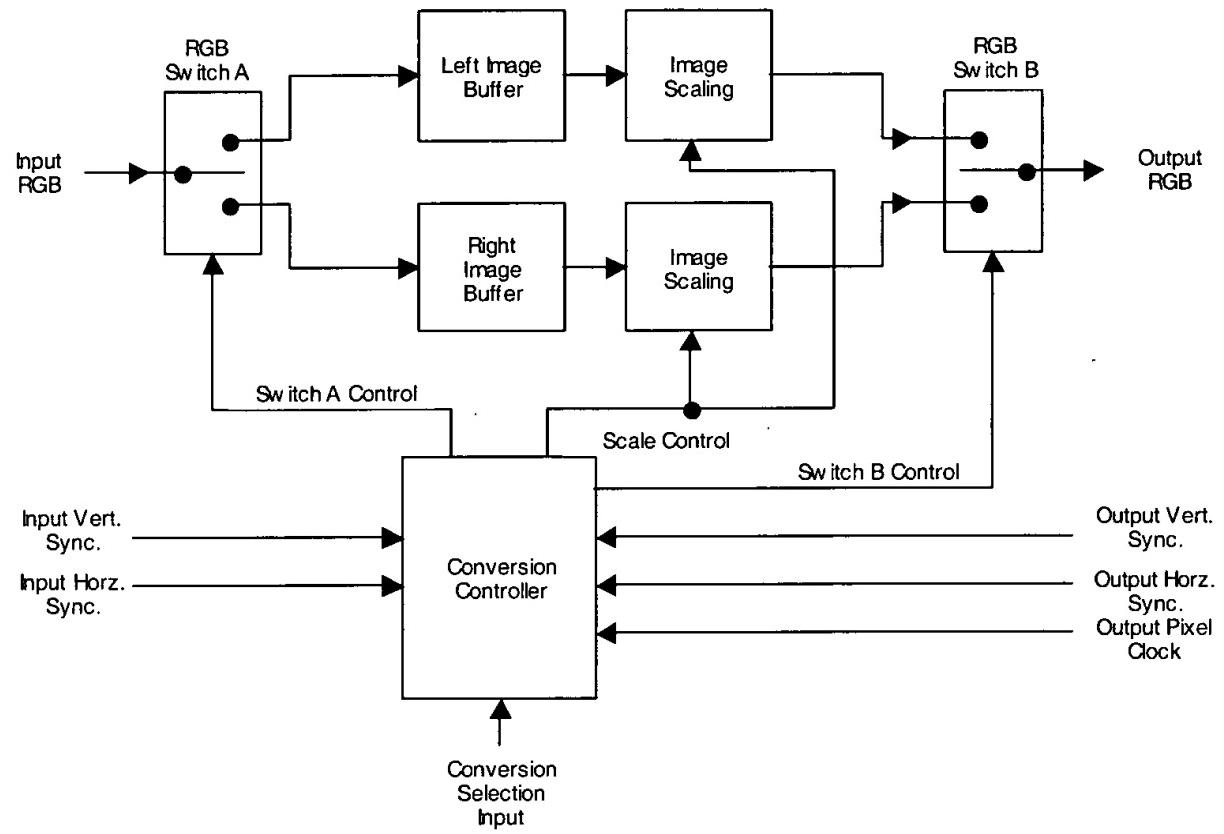


Figure 43. 3D Data Formatter Block Diagram

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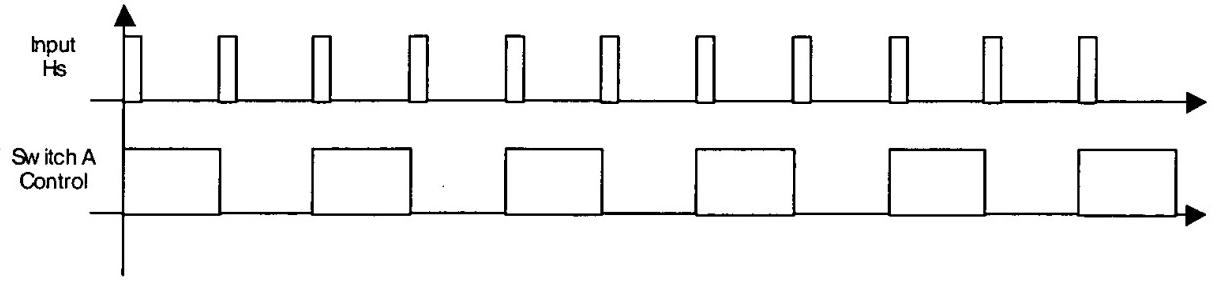


Figure 44. Switch A Control for Row-Interleaved RGB Input

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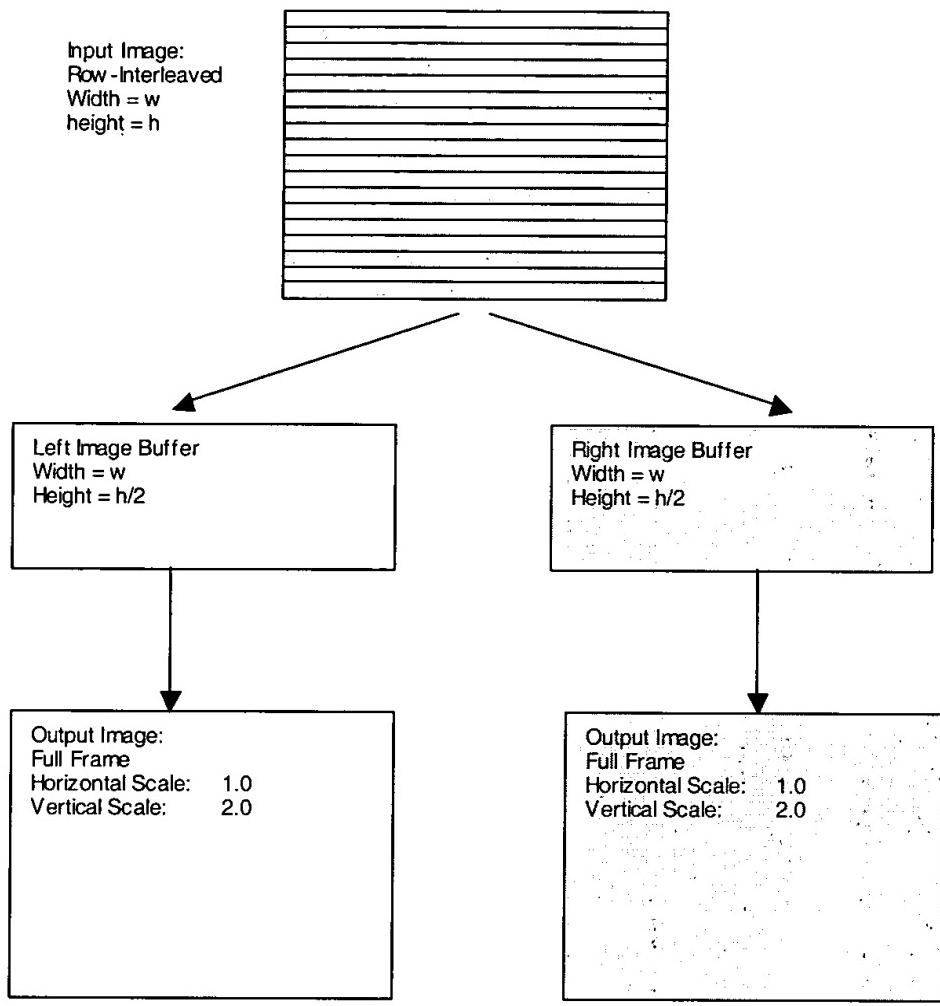


Figure 44. Output Scaling for Row-Interleaved 3D Format Input

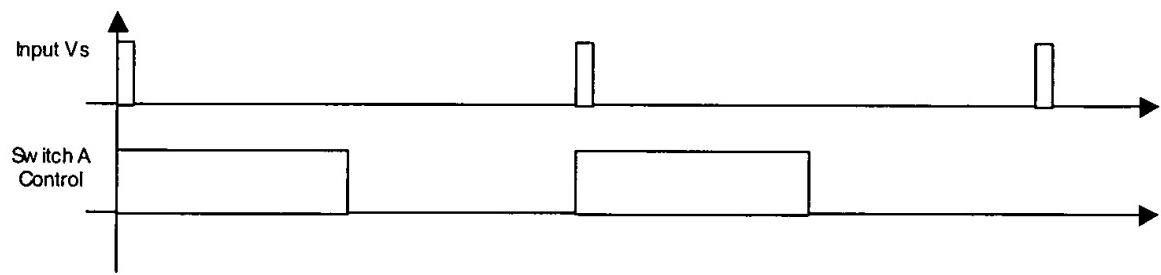


Figure 45. Switch A Control for "Over-Under" RGB 3D Format

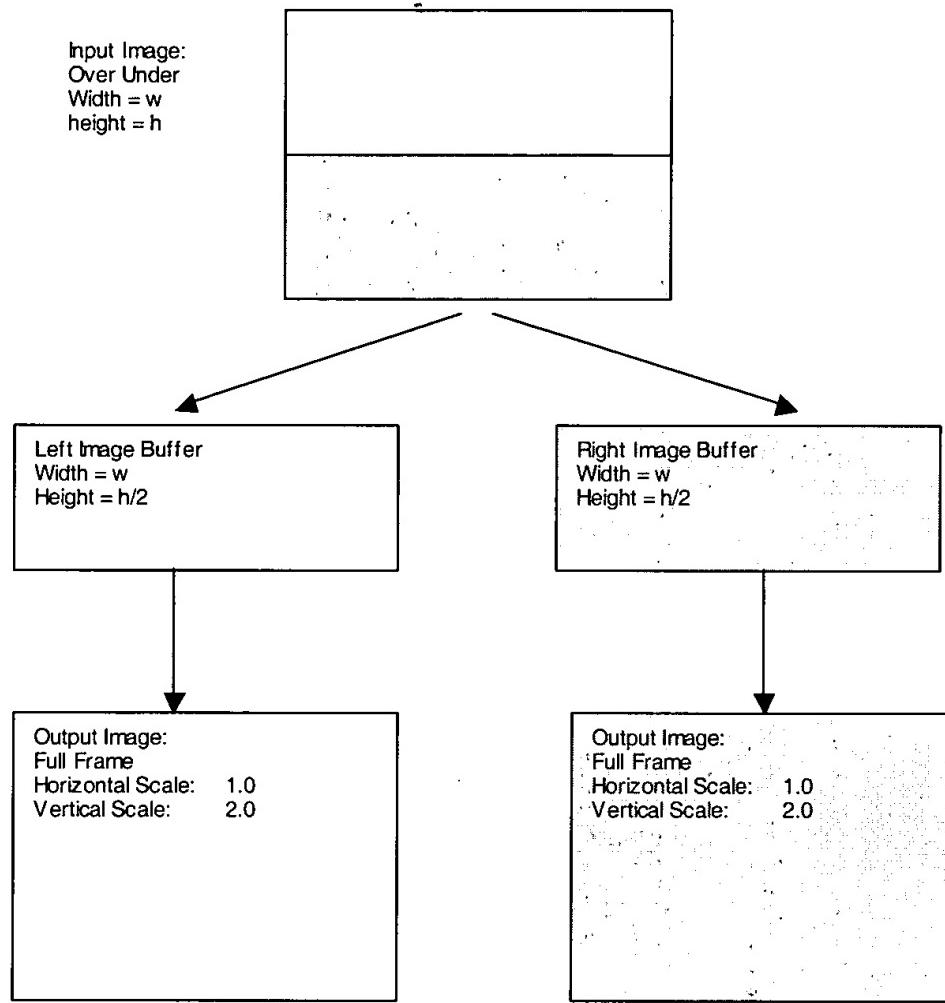


Figure 46. Output Scaling for Over-Under 3D Format Input

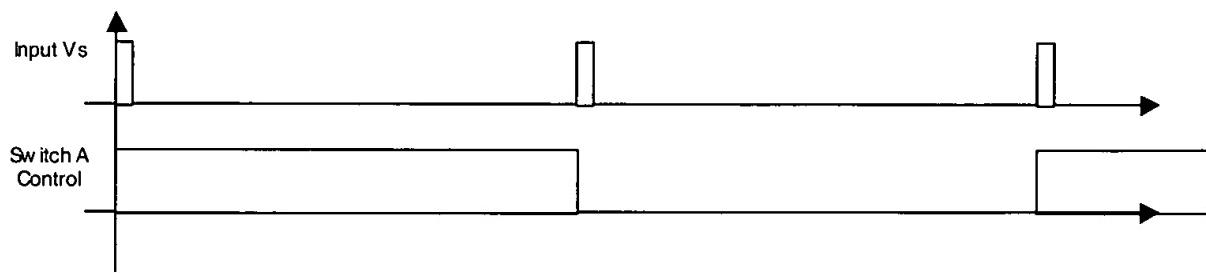


Figure 47. Switch A Control for "Page-Flipped" 3D Input

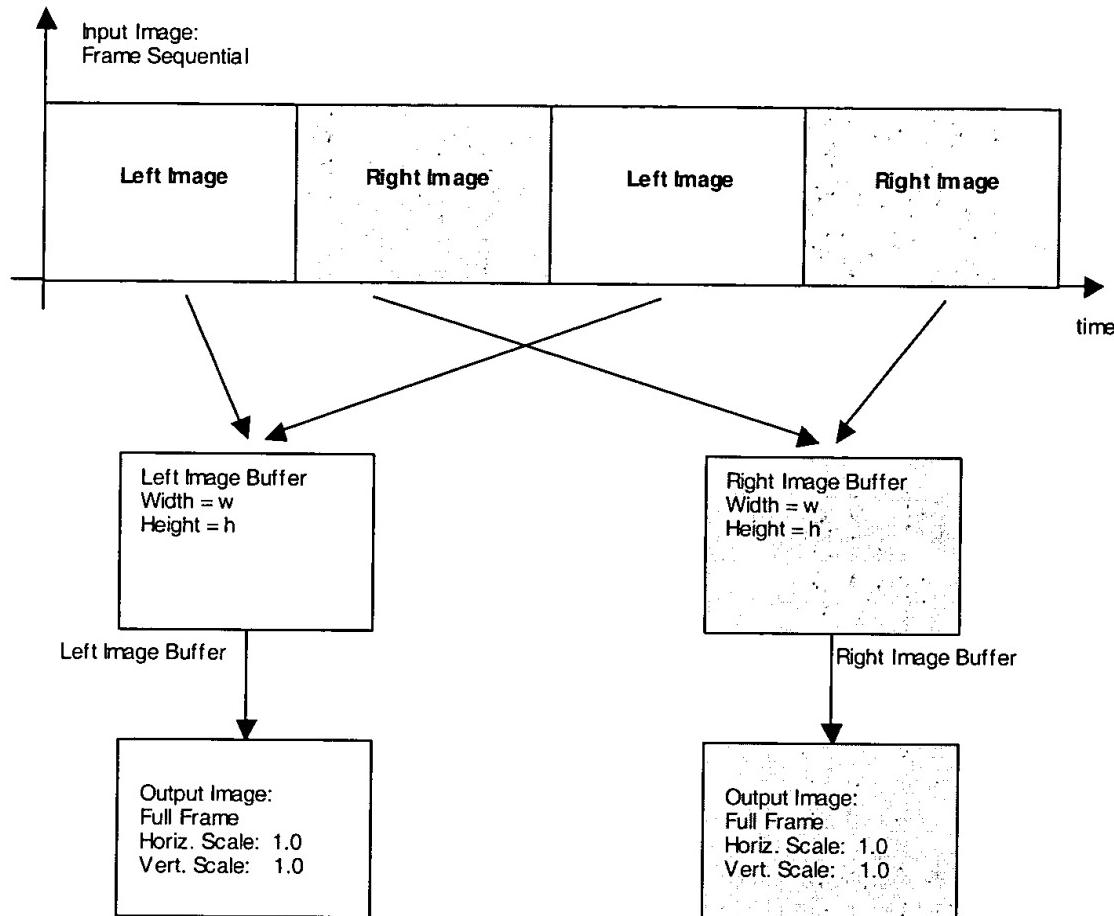


Figure 48. Output Scaling for “Page-Flipped” 3D Format Input

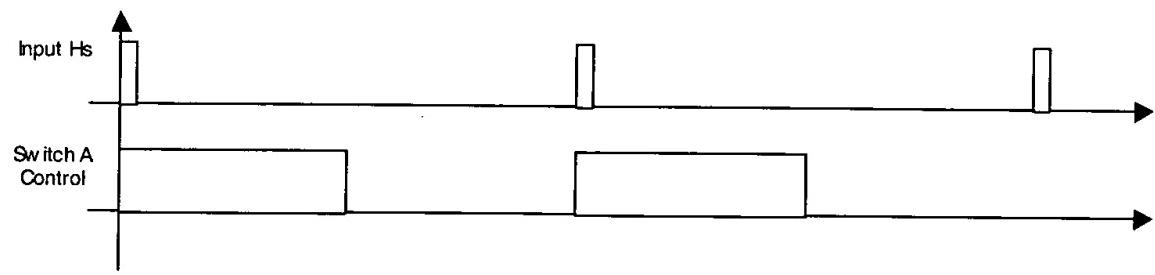


Figure 49 Switch A Control for "Side-by-Side" RGB 3D Input

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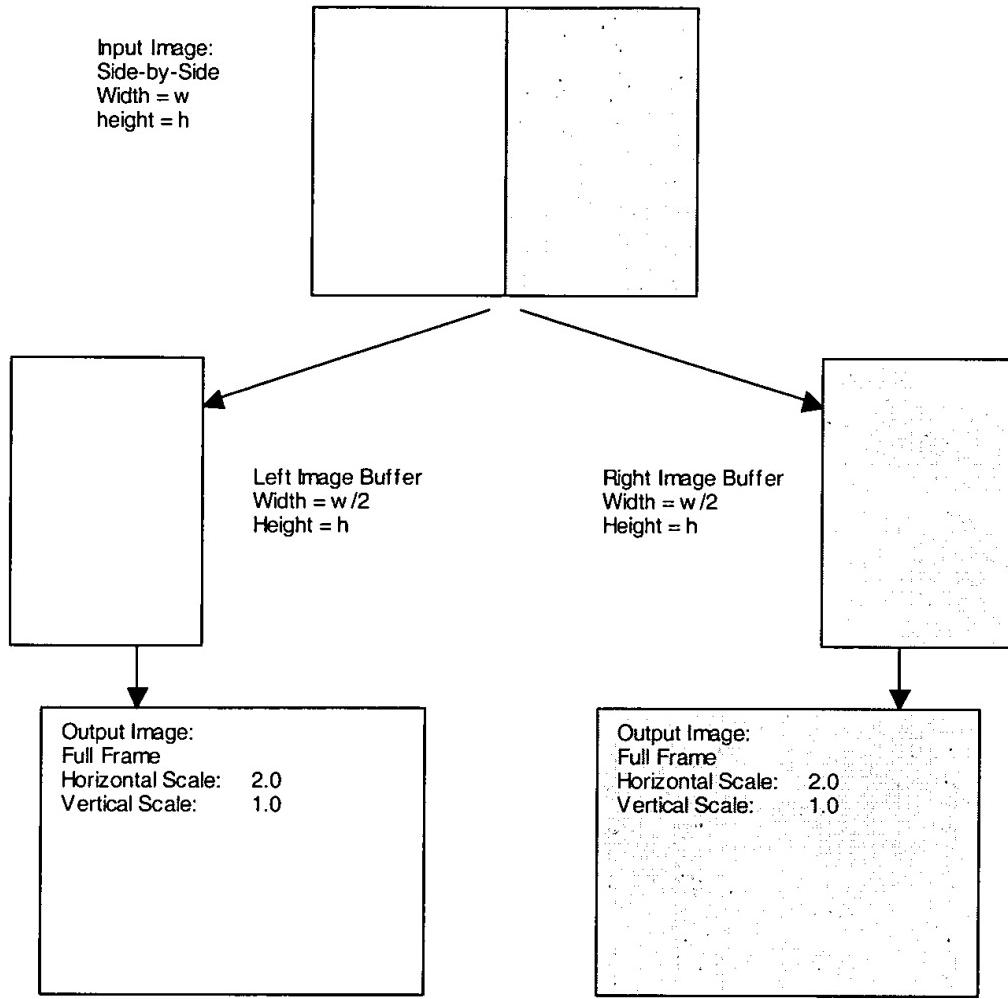


Figure 50. Output Image Scaling for Side-by-Side 3D Format Input

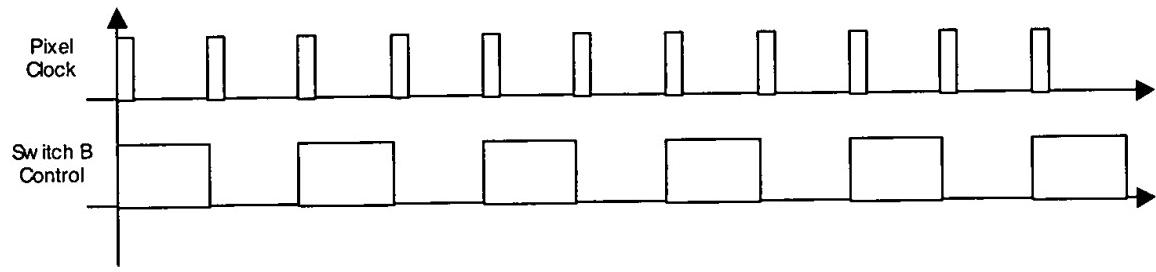


Figure 51. Switch B Control for 3D Data Formatter Block

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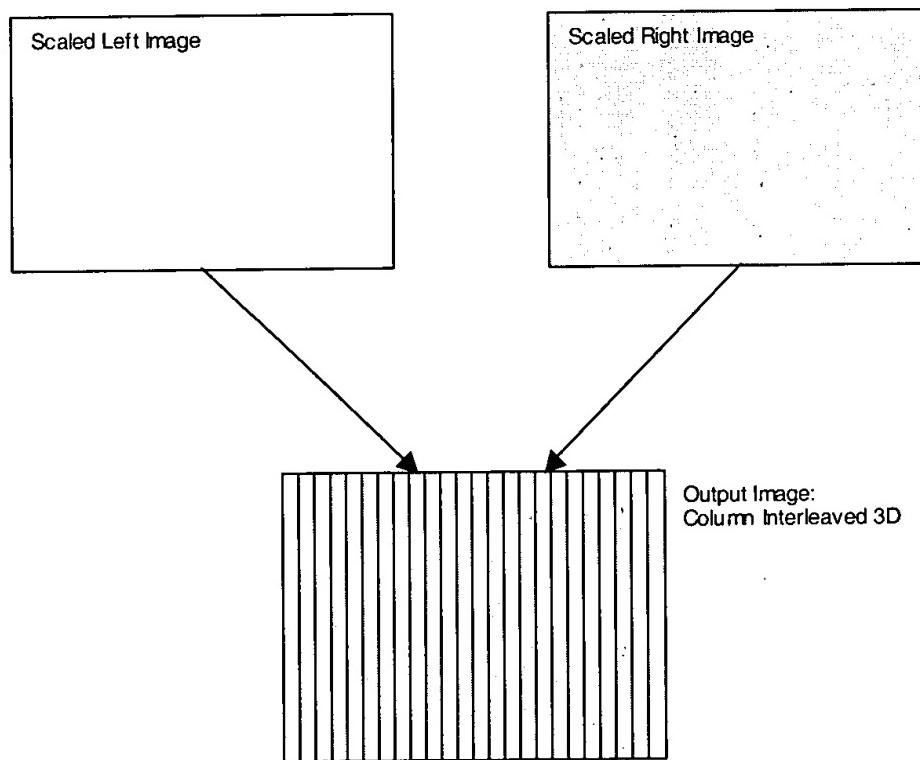


Figure 2. Graphical Illustration of 3D Data Formatter Output

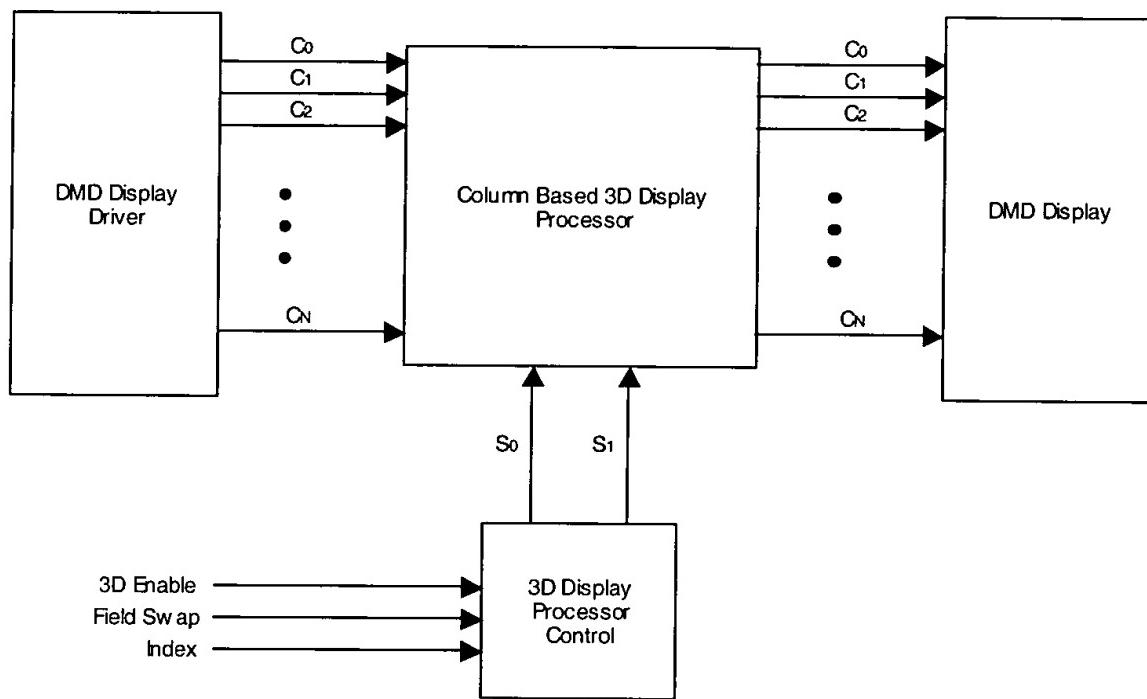


Figure 53. 3D Display Formatter

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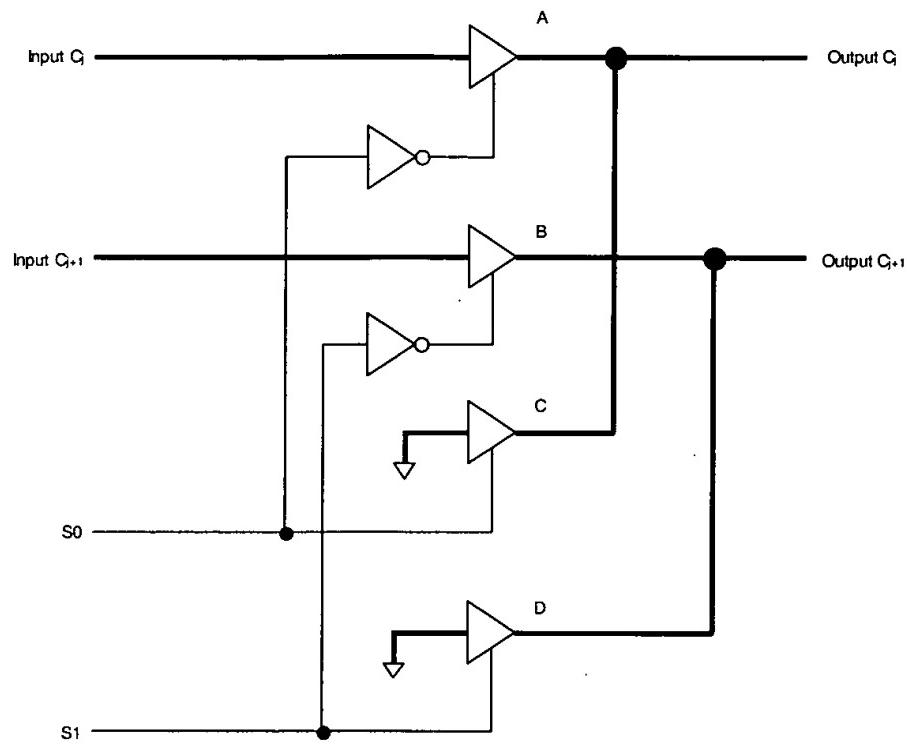


Figure 54. Block Diagram for 3D Display Processor Using Column Blanking Method

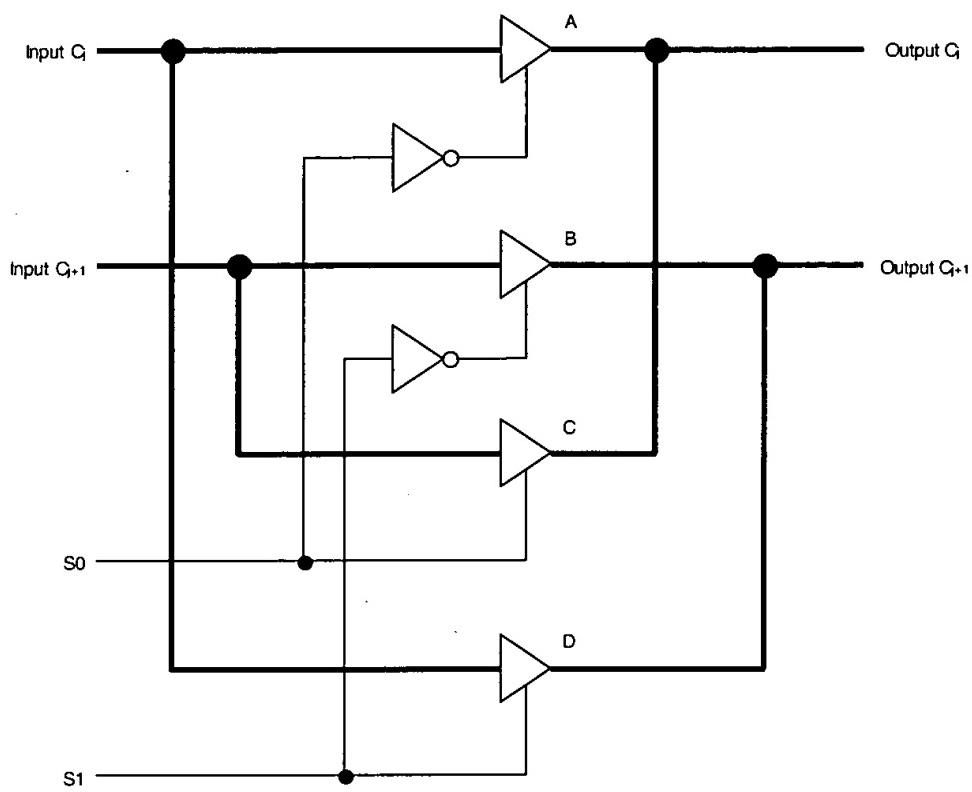


Figure 55

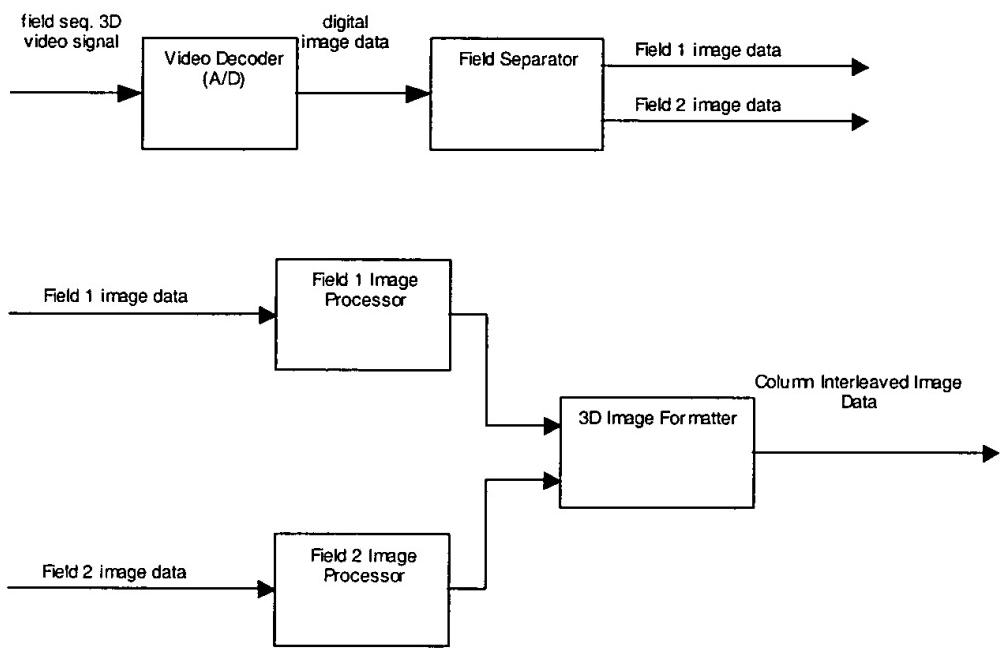


Figure 57